ATTACHMENT A

MARINE VESSEL SAMPLE PROJECT APPLICATION

Carl Moyer Memorial Air Quality Standards Attainment Program
MARINE VESSEL PROJECT
APPLICATION

This application is for incentive funds for the purchase of reduced-emission engines used in marine vessels, repowers, and/or retrofits.

Please provide the following information regarding your proposed purchase and application. Additional information may be requested during the review process if needed. Applicant acknowledges that award of cash incentive is conditional upon approval of the District/Port and must meet the minimum eligibility criteria.

Within ten working days of submission, you will either be notified that your application is complete, or provided with a list of deficiencies. Completed applications fulfilling the criteria will be approved within 60 working days of receipt. If you have any questions regarding the application process, please contact:

District Incentive Program Contact
Contact Phone Number

✓ CHECK LIST FOR APPLICATION ITEMS ✓

Be sure the following items are included with your application submittal. Check each applicable box below to indicate inclusion of material.

- ❑ Completed Applicant Information Form
- ❑ Letter of Agreement from Fuel Provider (if applicable)
- ❑ Co-funding Information (if applicable)
- ❑ Other_____

✓ CHECK LIST FOR ELIGIBILITY CRITERIA ✓

Please check each applicable box to indicate eligibility of proposed marine vessel engine technology.

- ❏ The existing marine vessel is used as an auto carrier.
- ❏ The existing marine vessel is used as a bulk carrier.
- ❏ The existing marine vessel is used as a container ship.
- ❏ The existing marine vessel is used as general cargo.
- ❏ The existing marine vessel is used as a passenger ship.
- ❏ The existing marine vessel is used as a reefer.
- ❏ The existing marine vessel is used as a RORO.
- ❏ The existing marine vessel is used as a tanker.
- ❏ The existing marine vessel is used as tug/tow/push boat.
- ❏ The existing marine vessel is used as a work/supply/utility boat.
- ❏ The existing marine vessel is used as a fishing vessel.
- ❏ The existing marine vessel is used as a U. S. Navy ship.
- ❏ The proposed engine technology is eligible for program funding.

<u>Check applicable categories below</u>:

The reduced-emission engine/technology:

- ❏ has been tested, or
- ❏ is under experimental permit for operation in California,

and

A. For retrofit kits or add-on equipment projects:

- ❏ shows at least a 30% reduction of NOx emissions and no significant increase in particulate emissions compared to the applicable United States Environmental Protection Agency's (USEPA) standard for that engine year and type of application through:
  - ❏ California Air Resources Board (ARB) testing,
  - ❏ U.S. EPA testing, or
  - ❏ Emission testing at a laboratory approved by the U.S. EPA or the ARB.
- ❏ The retrofit technology is warrantied by retrofit manufacturer.
- ❏ The purchase is not required by any local, state, federal or international maritime rule, regulation, or binding agreement.
- ❏ The amount of emission reduction is not required by any local, state, federal, or international maritime rule, regulation, or binding agreement.

MARINE VESSEL APPLICANT INFORMATION SECTION

A. APPLICANT INFORMATION:			
Organization:			
Contact name:			
Person with contract signing authority:			
Street/mailing address:			
City:	State:	Zip code:	Air District:
Phone: ( )		Fax: ( )	
E-mail:			
Geographic area served by organization:			
Geographic area to be served by marine vessel (if different than above):			
Number of marine vessels in fleet:			

MARINE VESSEL REPOWER/RETROFIT APPLICATION SECTION

Please check one:

- ❑ Repowering a marine vessel with a new reduced-emission engine (replacement)
- ❑ Retrofitting a marine vessel engine with a new reduced-emission technology

B. GENERAL INFORMATION ABOUT EACH ENGINE FOR REPOWER OR RETROFIT	
1. Number of engines to be purchased/retrofitted/repowered:	
2. Dead weight tonnage (DWT):	
3. Type of engines:	
4. Fuel type for each engine (if applicable):	
5. Primary function of each marine vessel (e.g. auto carrier, container ship, general cargo, passenger ship, reefer, RORO, tanker, tug/tow/push boat, work/supply/utility boats, fishing vessel, and/or U.S.. Navy ship):	
6. Propulsion type (motorship, or steamship):	
7. Annual number of port calls in a port:	8. Annual number of port calls in a California:
9. Estimated total annual hours of operation per port call in each service mode: a. Cruise: b. P-Zone Cruise: c. Maneuvering: d. Hotelling:	10. Average ship service speed in each service mode: a. Cruise: b. P-zone cruise: c. Maneuvering: d. Hotelling
11. Average fuel consumption/rate (gallons or gallons/hour) per port call for each service mode: a. Cruise: b. P-Zone Cruise: c. Maneuvering: d. Hotelling:	12. Average fuel consumption (gallons) per port call for auxiliary power (if applicable): a. Boilers (motorship): b. Engines (motorship): c. Main boilers (steamship):
13a. Estimated total annual nautical miles in California coastal water boundary::	13b. Percent within California boundaries:
14. Estimated annual fuel consumption (in gallons) for each marine vessel:	15. Incentive Amount Requested:
16. Estimated Project Life:	
17. Is there any seasonality to the use of the marine vessel? YES/NO If Yes, please explain:	

MARINE VESSEL REPOWER/RETROFIT APPLICATION SECTION (continued)

CURRENT MARINE VESSEL/ENGINE	NEW REDUCED EMISSION ENGINE/RETROFIT
18. Model year:	Model year: *Same as current*
19 Engine make:	Engine make: *Same as current*
20. Engine model number:	Engine model number:
21. Serial number of engine:	Serial number of engine: (to be provided when available)
22. Horsepower:	Horsepower:
23. Average engine life (yrs): a. Estimated locomotive engine life (yrs): b. Estimated engine life remaining (yrs): c. Estimated dollar value:	Average marine vessel engine life (yrs):
24. Typical rebuild/replacement schedule:	Typical rebuild/replacement schedule:
25. Cost of replacing/rebuilding engine w/out control: $	Cost of replacing/rebuilding engine with control: $
NOx emission level w/out control (lbs/1000 gals):	NOx emission level with control (lbs/1000 gals):

Please check one:

- ❑ Repower or retrofit of engine achieves required 30% emission reduction from baseline uncontrolled emissions.
- ❑ Repower or retrofit of engine does not achieve required 30% emission reduction from baseline uncontrolled emissions (see line 26 above).

MARINE VESSEL REPOWER/RETROFIT APPLICATION SECTION (continued)

E. GENERAL INFORMATION ABOUT THE INSTALLER

Complete the appropriate information, then go to Section F.

MARINE VESSEL ENGINE FOR REPOWER (replacement)	
Engine installer:	
Street address:	
City:	State:
Phone: ( )	Fax: ( )
Contact name:	

OR

RETROFIT TECHNOLOGY	
Retrofit manufacturer:	
Retrofit Installer:	
Installer street address:	
City:	State:
Phone: ( )	Fax: ( )
Contact name:	Retrofit kit number:
Description of retrofit technology:	

MARINE VESSEL REPOWER/RETROFIT APPLICATION SECTION *(continued)*

All applicants must complete this section.

F. OTHER INFORMATION

MAINTENANCE

Describe your maintenance facility and practices, including any training regarding the low-emission technology. If the training has not been completed, provide a time line for completion.

REFUELING (for alternative fuels)

Describe how, and where the marine vessel will be refueled (e.g. on-site, existing facility, mobile/skid mounted equipment, etc.) Attach written verification of access to refueling facility.